

PSG RCO 122.35
PSG CTAF 122.5
PSG AWOS-3 125.8
ANC CENTER 118.0

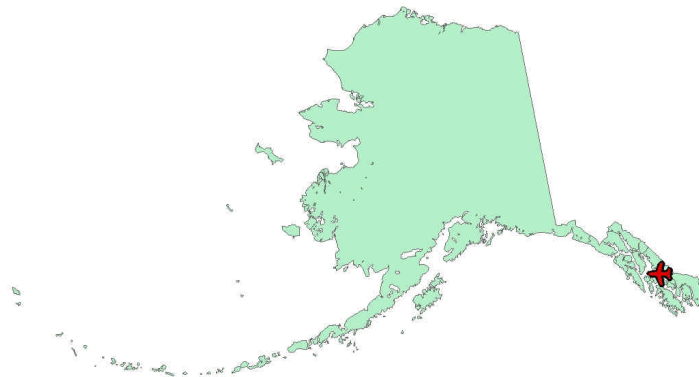
PETERSBURG (PSG)
James A. Johnson
ELEVATION 107
N56 48.10/W132 56.72

Photo Date APR 1997
Data Date NOV 2000



PETERSBURG JAMES A. JOHNSON AIRPORT

2004 Alaska Airport Pavement Condition Report



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Maps and report compiled by
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Central Region Materials, Alaska DOT&PF

PETERSBURG JAMES A. JOHNSON AIRPORT - 2004

Contents:

- A Pavement Strength Form showing project history, latest Pavement Condition Index (PCI) data, pavement strength ratings (if available) and other useful information
- A Pavement Condition Survey – PCI Sample Unit Layout Plan
- PCI maps showing as-measured and predicted pavement conditions
- Age map showing pavement age as of January 2004
- A Branch PCI Condition Report
- A Section PCI Condition Report

Airport Information:

- Location:

The Petersburg (James A. Johnson) Airport is located on the eastern side of Kupreanof Island in the central part of Southeast Alaska. Petersburg is accessible from outside the area only by air and water. The Petersburg (James A. Johnson) Airport is a commercial airport for passenger and cargo traffic. The airport has fences and controlled access.
- District: Southeast
- Airport Manager: Doug Jenny
- District Maintenance Manager: Gary Franzen
- Last Pavement Construction: 2004
- Pavement layout:

The James A. Johnson Airport has Runway 4-22, Taxiway A and an Apron divided into 3 sections based on used and typical sections. The runway 6000' long and 150 feet wide, with paved shoulders. Section 1 of the Apron is a parking area for airplanes. Section 2 of the Apron serves the Alaska Airlines Terminal and thus heavier aircraft. Section 3 serves general aviation passenger and charter aircraft. The entire surface course paving on the airport is Asphalt Concrete.
- Design Aircraft: B-727
- 2003 Enplanements: 17,501 – up 4% from 2002
- Airport Class: Primary
- Last pavement condition survey: 2002
- Next planned pavement condition survey: 2005
- 2004 reported pavement maintenance and/or changed conditions: Project work extended the apron to the east and put a new hardstand in Section 4100-01 of the apron. Crack sealing work was done on the runway edges. There are minor settlements along the runway edges and on the taxiway. The joints between the apron sections are also settling. Some patching on the apron was done.
- **Recommendations:** See PCI maps. Seal cracks that are greater than 1/4" wide and patch with cold mix as required to maintain serviceability.

Date: 3 /24/2005

Branch Condition Report

1 of 2

Pavement Database: NetworkID: Petersburg

Branch ID	Number of Sections	Sum Section Length (Ft)	Avg Section Width (Ft)	True Area (SqFt)	Use	Average PCI	PCI Standard Deviation	Weighted Average PCI
100 (Taxiway "A")	1	425.00	90.00	56,136.00	TAXIWAY	72.00	0.00	72.00
4100 (Apron)	4	1,391.00	250.00	347,750.01	APRON	71.75	17.28	70.70
6100 (Runway 4-22)	3	18,000.00	50.00	900,000.02	RUNWAY	71.33	4.19	71.33

Date: 3 /24/2005

Branch Condition Report

2 of 2

Pavement Database:

Use Category	Number of Sections	Total Area (SqFt)	Arithmetic Average PCI	Average PCI STD.	Weighted Average PCI
APRON	4	347,750.01	71.75	17.28	70.70
RUNWAY	3	900,000.02	71.33	4.19	71.33
TAXIWAY	1	56,136.00	72.00	0.00	72.00
All	8	1,303,886.02	71.63	12.49	71.19

Date: 3 /24/2005

Section Condition Report

1 of 2

Pavement Database: NetworkID: Petersbg

Branch ID	Section ID	Last Const. Date	Surface	Use	Rank	Lanes	True Area (SqFt)	Last Inspection Date	Age At Inspection	PCI
100 (Taxiway "A")	100-01	09/01/1981	AC	TAXIWAY	P	0	56,136.00	08/02/2002	21	72.00
4100 (Apron)	4100-01	08/01/1996	AC	APRON	S	0	111,000.00	08/02/2002	6	67.00
4100 (Apron)	4100-02	09/01/1987	AAC	APRON	P	0	76,750.00	08/02/2002	15	67.00
4100 (Apron)	4100-03	09/01/1987	AAC	APRON	S	0	85,000.00	08/02/2002	15	53.00
4100 (Apron)	4100-04	08/01/2004	AC	APRON	T	0	75,000.00	08/01/2004	0	100.00
6100 (Runway 4-22)	6100-01	09/01/1995	AAC	RUNWAY	P	0	300,000.00	08/02/2002	7	67.00
6100 (Runway 4-22)	6100-03	09/01/1995	AAC	RUNWAY	P	0	300,000.01	08/02/2002	7	70.00
6100 (Runway 4-22)	6100-05	09/01/1995	AAC	RUNWAY	P	0	300,000.01	08/02/2002	7	77.00

Date: 3 /24/2005

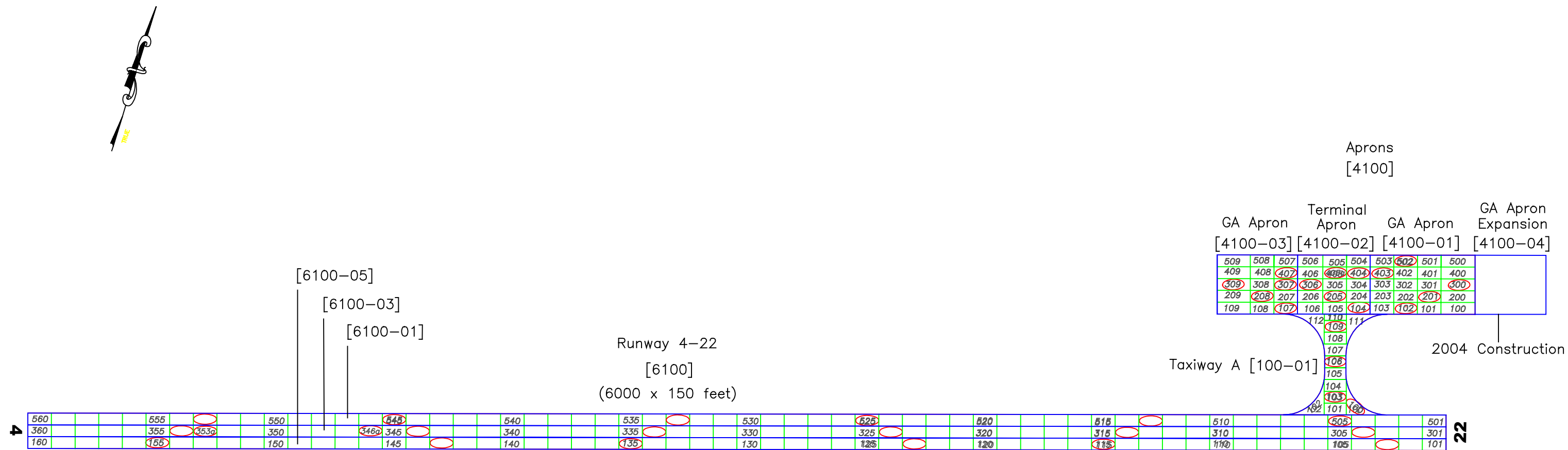
Section Condition Report

2 of 2

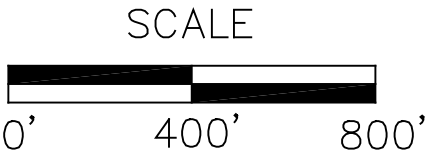
Pavement Database:

Age Category	Average Age At Inspection	Total Area (SqFt)	Number of Sections	Arithmetic Average PCI	PCI Standard Deviation	Weighted Average PCI
0-02	0.00	75,000.00	1	100.00	0.00	100.00
06-10	6.75	1,011,000.02	4	70.25	4.09	70.86
11-15	15.00	161,750.00	2	60.00	7.00	59.64
21-25	21.00	56,136.00	1	72.00	0.00	72.00
All	9.75	1,303,886.02	8	71.63	12.49	71.19

		PAVEMENT STRENGTH SURVEY										
STATE	Alaska	CITY	Petersburg	AIRPORT	Johnson				This is a variation of FAA Form 5320-1-1			
		CONSTRUCTION DATES										
IDENT.	NAME	ORIG.	OVERLAY	CONSTRUCTION AGENCY	SOURCE OF INFORMATION	Existing Pavement Conditions (PCI) at last inspection	Soil Class	Subbase Course	Base Course	Surface Course	Overlay	Pavement Strength
RUNWAYS												
6100-01	Runway 4-22 section 1	1996		AK DOT&PF	S.E. Region & Project # 71079	67			6" Base Course	Existing AC (thickness unknown)	2.5" AC (1996)	not rate
6100-03	Runway 4-22 Section 3	1996		AK DOT&PF	S.E. Region & Project # 71079	70			6" Base Course	Existing AC (thickness unknown)	2.5" AC (1996)	not rated
6100-05	Runway 4-22 Section 5	1996		AK DOT&PF	S.E. Region & Project # 71079	77			6" Base Course	Existing AC (thickness unknown)	2.5" AC (1996)	not rated
TAXIWAYS												
100-01	Taxiway A	1996		AK DOT&PF	S.E. Region & Project # 71079	72				Existing AC w/Bit. Seal Coat	2.5" AC (1996)	
APRONS												
4100-01	GA Apron	1996		AK DOT&PF	S.E. Region & Project # 71079	67			6" CABC	3" AC	2" AC w/Bit. Sand Seal (1996)	
4100-02	Terminal Apron	1996		AK DOT&PF	S.E. Region & Project # 71079	67			6" CABC	2" AC w/Bit. Sand Seal (1996)		
4100-03	West GA Apron	1996		AK DOT&PF	S.E. Region & Project # 71079	53			6" CABC	2" AC w/Bit. Sand Seal (1996)		
4100-04	GA Apron Expansion	2004		AK DOT&PF		100				AC		
REMARKS:												
This airport serves B-737 and B-727 class aircrafts.												
Section 4100-04 was was constructed since the last survey and PCI is set at 100 at time of conctruction - 2004.												
A hard stand was also reportedly constructed on the apron in 2004. This will be spotted and recorded in the next survey.												
Date of Site Inspection:		8/2/2002		Evaluated By:	S. Gartin	3/24/2005						PAGE 1 of 1

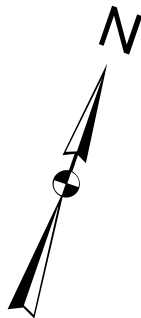
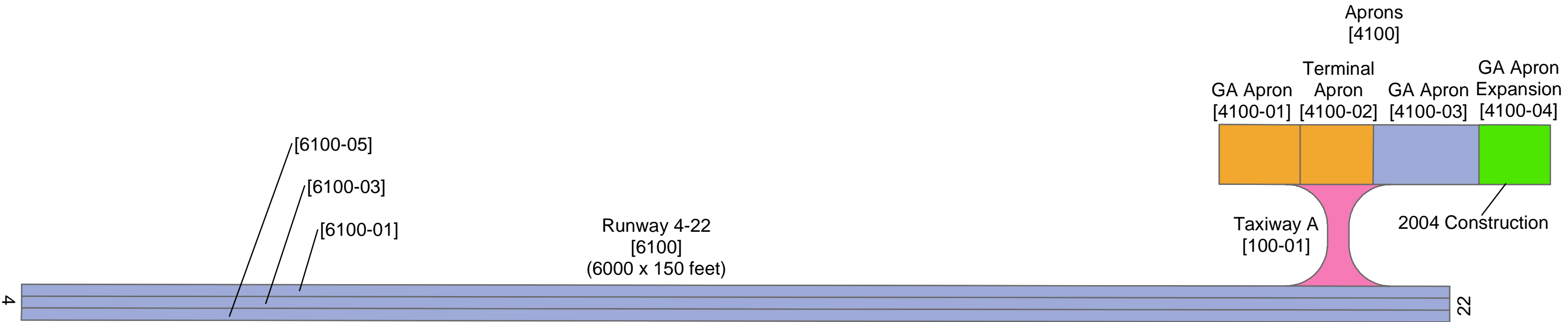


- [] Branch/Section Identifier
- Sample Unit
- Unit of Pavement Sampled 2002

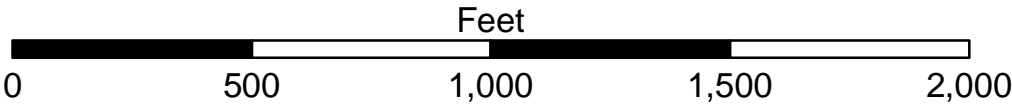
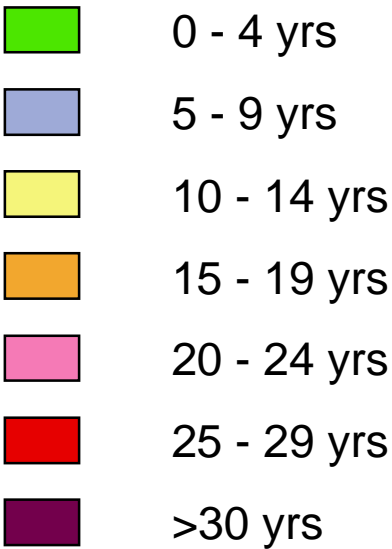


Petersburg James A. Johnson Airport

Pavement Surface Age
2004



Airport Code: PSG
Site No.: 50590.2*A
[] Branch - Section Identifier

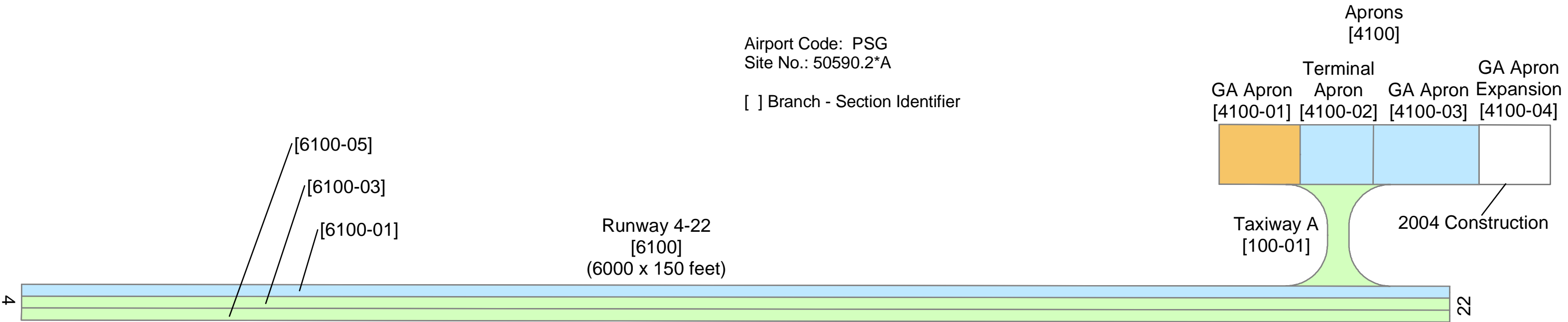


Petersburg James A. Johnson Airport

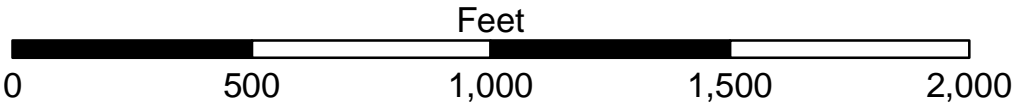
Pavement Condition Index - PCI
Measured Values for the Year 2002



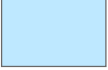





Airport Code: PSG
Site No.: 50590.2*A

[] Branch - Section Identifier



Minimum PCI for Runways = 70
Minimum PCI for Taxiways and Aprons = 60



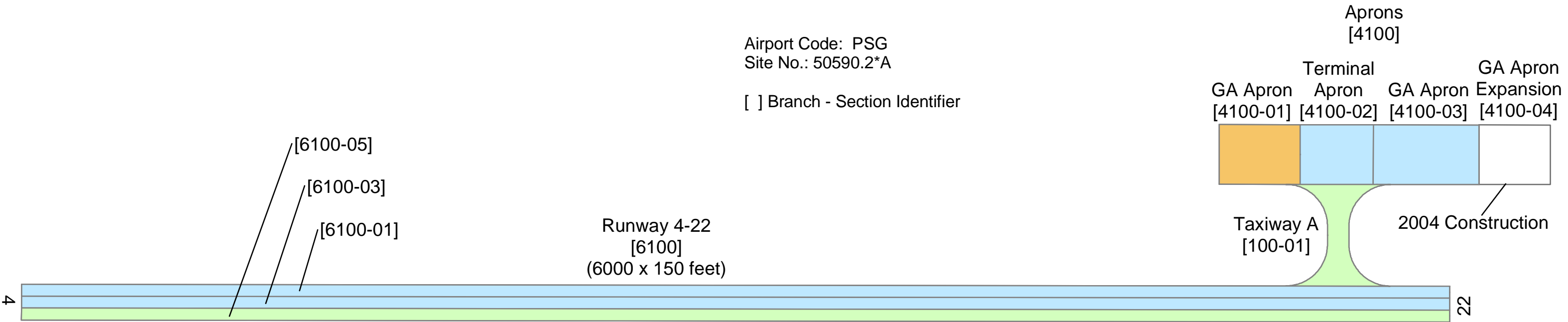
PCI Values		General Pavement Recommendations
	85 - 100	Do Nothing or Preventative Maintenance
	70 - 84	Preventative Maintenance
	60 - 69	Corrective Maintenance
	55 - 59	Rehabilitate
	40 - 54	Rehabilitate
	25 - 39	Reconstruct
	10 - 24	Reconstruct
	0 - 9	Reconstruct

Petersburg James A. Johnson Airport

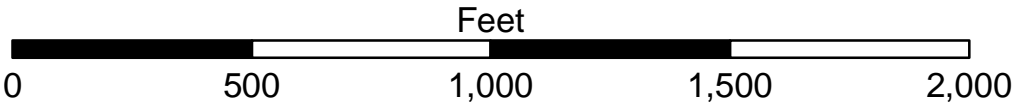
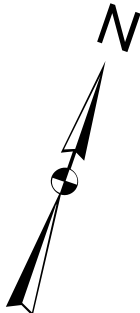
Pavement Condition Index - PCI
Predicted Values for the Year 2003

Airport Code: PSG
Site No.: 50590.2*A

[] Branch - Section Identifier



Minimum PCI for Runways = 70
Minimum PCI for Taxiways and Aprons = 60



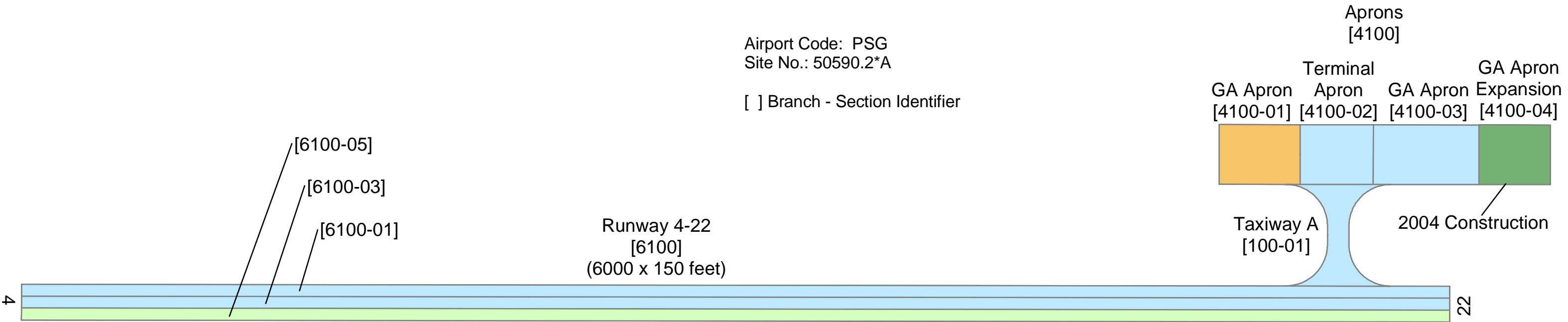
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Petersburg James A. Johnson Airport

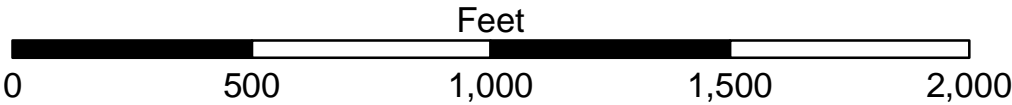
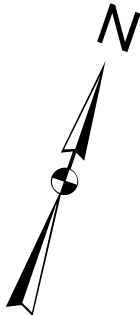
Pavement Condition Index - PCI
Predicted Values for the Year 2004



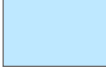





Airport Code: PSG
Site No.: 50590.2*A

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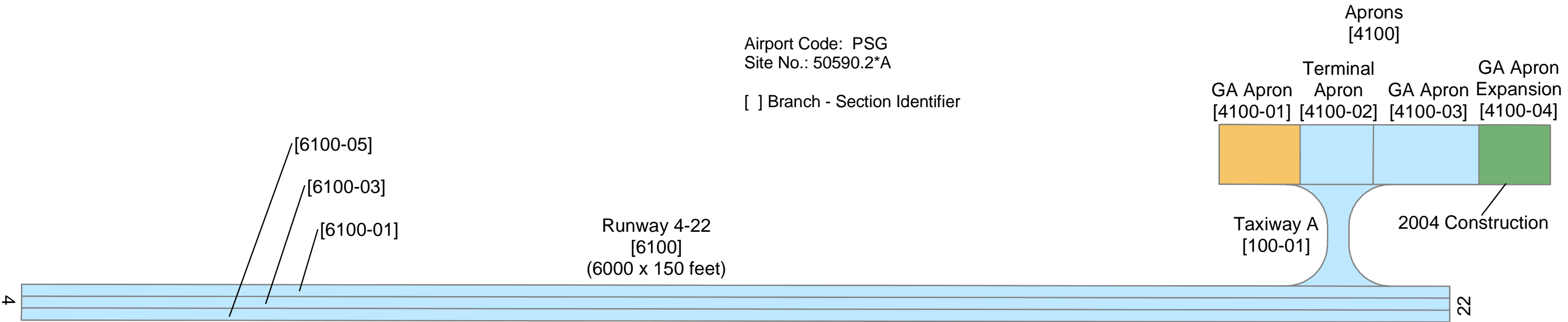
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Petersburg James A. Johnson Airport

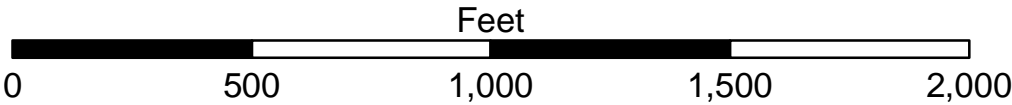
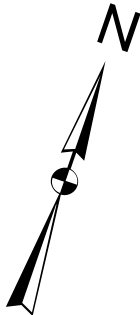
Pavement Condition Index - PCI
Predicted Values for the Year 2005

Airport Code: PSG
Site No.: 50590.2*A

[] Branch - Section Identifier



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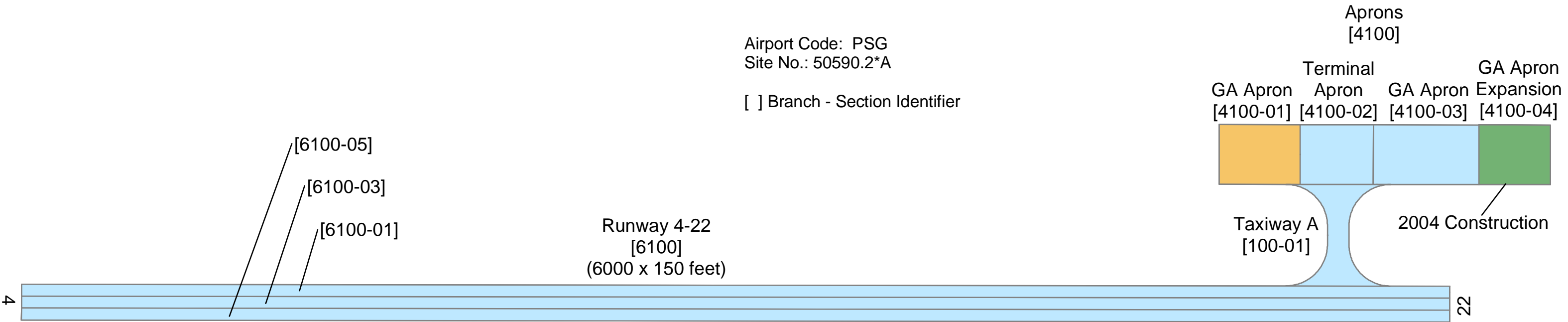
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Petersburg James A. Johnson Airport

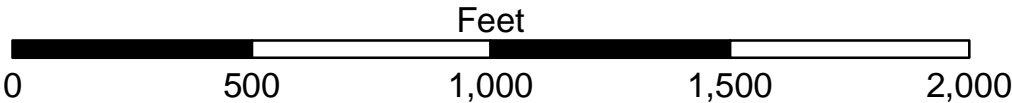
Pavement Condition Index - PCI
Predicted Values for the Year 2006

Airport Code: PSG
Site No.: 50590.2*A

[] Branch - Section Identifier



Minimum PCI for Runways = 70
Minimum PCI for Taxiways and Aprons = 60



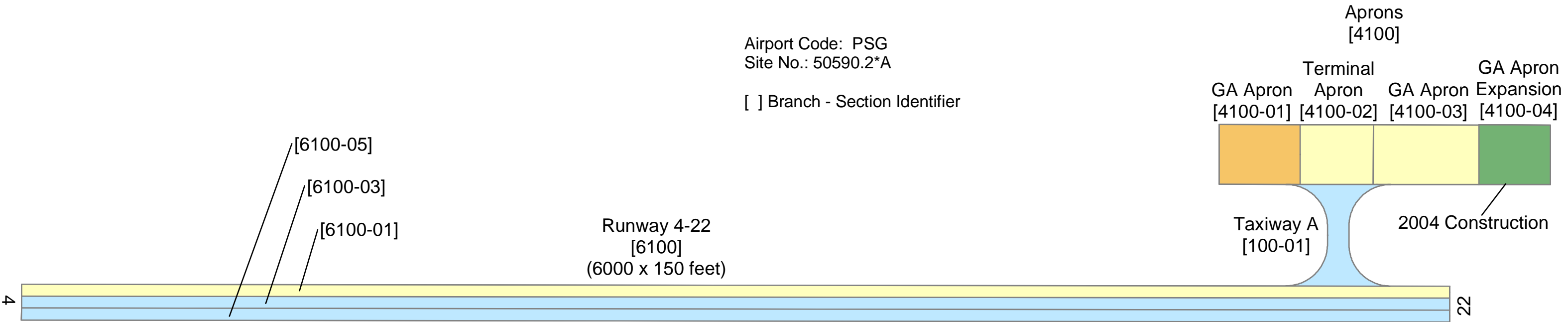
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Petersburg James A. Johnson Airport

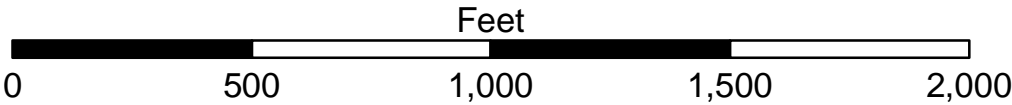
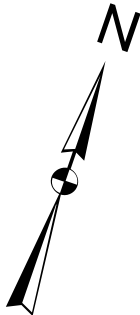
Pavement Condition Index - PCI
Predicted Values for the Year 2007

Airport Code: PSG
Site No.: 50590.2*A

[] Branch - Section Identifier



Minimum PCI for Runways = 70
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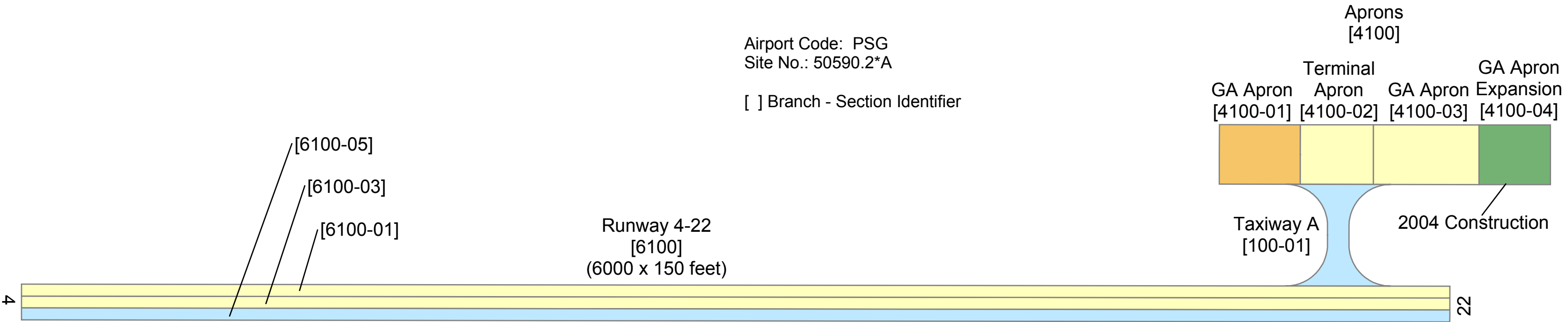
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Petersburg James A. Johnson Airport

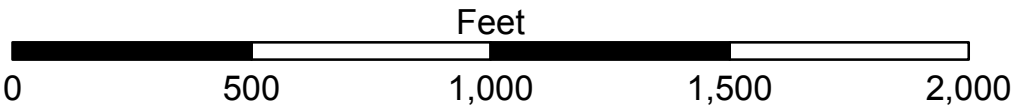
Pavement Condition Index - PCI
Predicted Values for the Year 2008

Airport Code: PSG
Site No.: 50590.2*A

[] Branch - Section Identifier



Minimum PCI for Runways = 70
Minimum PCI for Taxiways and Aprons = 60



PCI Values		General Pavement Recommendations
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	60 - 69	Corrective Maintenance
	55 - 59	Rehabilitate
	40 - 54	Rehabilitate
	25 - 39	Reconstruct
	10 - 24	Reconstruct
	0 - 9	Reconstruct